

## TECHNICAL SHEET

PP046	Plate Count Agar Plate	
Formula		
Ingredients:	gms/lit.	
Casein enzymic hydrolysate	5.00	
Yeast extract	2.50	
Dextrose	1.00	
Agar	15.00	
Final pH (at 25°C): 7.0± 0.2		
Directions:		
Label the ready to use plate (PP046).Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.		
Principle:		
Plate count agar contains tryptone provides nitrogenous and carbonaceous compounds, long chain amino acids, and other essential nutrients. Yeast extract supplies Vitamin B complex.Dextrose is a source of fermentablecarbohydrate (energy source). Agar is a solidifying agent.PlateCount Agar is also suitable for enumerating bacterial count of sterile rooms.		
(I) QC Tests		
pH:	7.0 ± 0.2	
Color:	Light yellow coloured medium	
Appearance:	Sterile Plate Count Agar in 65mm disposable plates.	
(II)Sterility test		Passes release criteria
(III)Q.C. Test Microbiological		
Cultural characteristics observed after incubation at 35-37°C for 18-24 hours.		
MICROORGANISM (ATCC)	GROWTH	
Escherichia coli 25922	luxuriant	
Staphylococcus aureus25923	luxuriant	
Enterococcus faecalis29212	luxuriant	
Lactobacillus casei 9595	luxuriant	
Bacillus subtilis ATCC 6633	luxuriant	
Streptococcus pyogenes19615	luxuriant	

TECHNICAL SHEET

<b>Precautions :</b>	1. In Vitro diagnostic use only.
	2. Read the label before opening the container
<b>Limitations :</b>	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.
<b>Use:</b>	For determination of plate counts of microorganisms in foods, water and waste water.
<b>Storage:</b>	Store between 2-8°C. Use before expiry date on the label.
<b>Packing:</b>	20/50 disposable plates.

**Disclaimer:**

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.